

FIG. 2

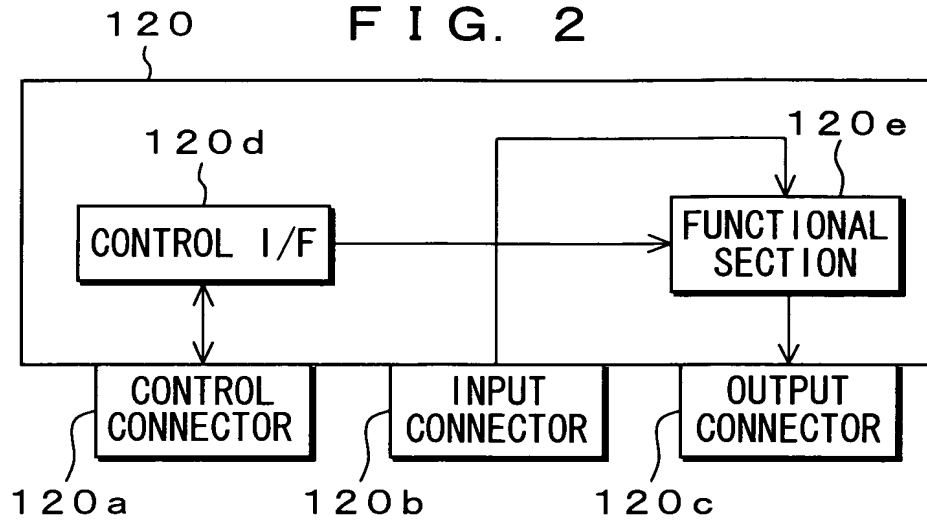


FIG. 3

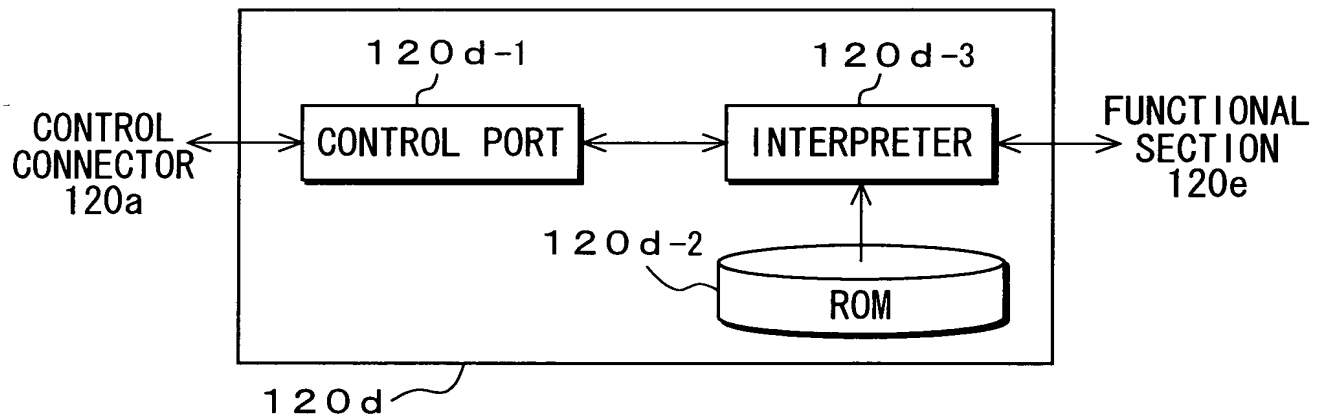


FIG. 4

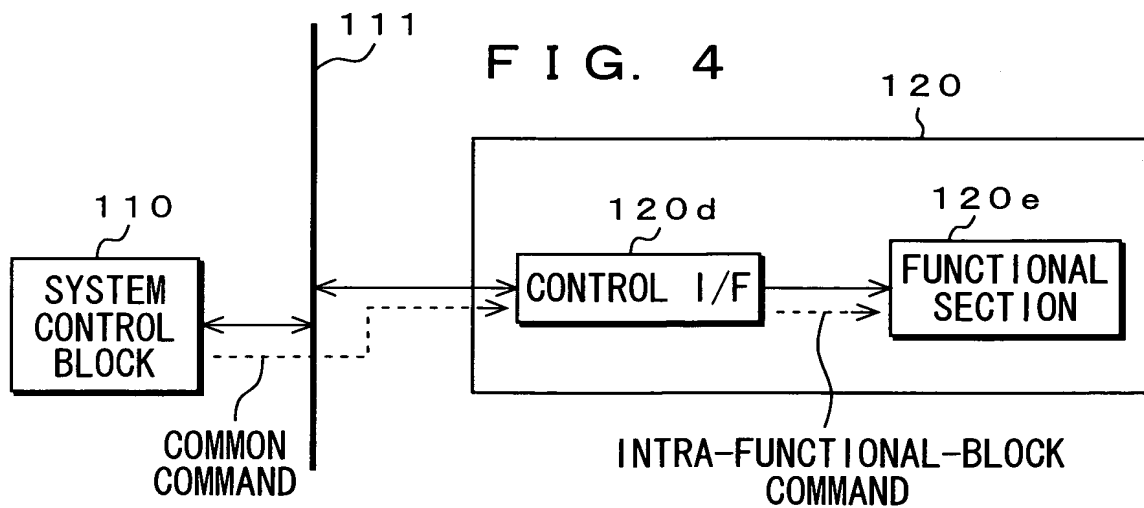


FIG. 5

COMMON COMMANDS	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
in(1)-in(3)	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	8:CHILD-SCREEN OSD	writeInputUVch(1-12)	DISPLAY OF CHANNEL
DRCvolExec (on/off)	SWITCH OF DRC VOLUME PROCESSING	DRCvolExec (on)	2: INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
			8:CHILD-SCREEN OSD	writeInput(1-3)	DISPLAY OF INPUT
			8:CHILD-SCREEN OSD	writeProcessVol (on/off)	DISPLAY OF DRC VOLUME PROCESSING
				displayInput (in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
				displaySize (in1, size1)/displaySize (in2, size1)	IMAGE SIZE
DRCvol (resolutionVal, noiseVal)	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC	volume (resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
			8:CHILD-SCREEN OSD	writeProcessDRCvol (resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
			7:NOISE REMOVAL	noiseSuppress (noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
DRCzoomExec (on/off)	SWITCH OF DRC ZOOM PROCESSING	DRCzoomExec (off)	4:DRC	zoom (InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
			8:CHILD-SCREEN OSD	writeProcessZoom (on/off)	DISPLAY OF DRC ZOOM PROCESSING
				displayInput (in1, in2/in1 or in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
				displaySize (in1, size1), displaySize (in2, size0, 25)/displaySize (in1 or in2, size1)	IMAGE SIZE
				writeZoomFrame (InitRatio, InitHol, InitVer/off)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
				writeProcessDRCzoom (InitRatio, InitHol, InitVer/off)	DISPLAY OF INITIAL VALUES OF DRC ZOOM RATIO AND POSITIONS
DRCzoom (ratioVal, horizontalVal, verticalVal)	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, InitVer)	4:DRC	zoom (ratioVal, horizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE
			8:CHILD-SCREEN OSD	writeZoomFrame (ratioVal, horizontalVal, verticalVal)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
				writeProcessDRCzoom (ratioVal, horizontalVal, verticalVal)	DISPLAY OF DRC ZOOM RATIO AND POSITIONS
InitializeConnect (1/2/3/4/5)	INTER-FUNCTIONAL-BLOCK CONNECTIONS 1-5		3: SIGNAL ROUTER	route (1/2/3)	SWITCH OF INTER-PROCESSING-SUBSTRATE CONNECTION
			8:CHILD-SCREEN OSD	writeRoute (1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

FIG. 6

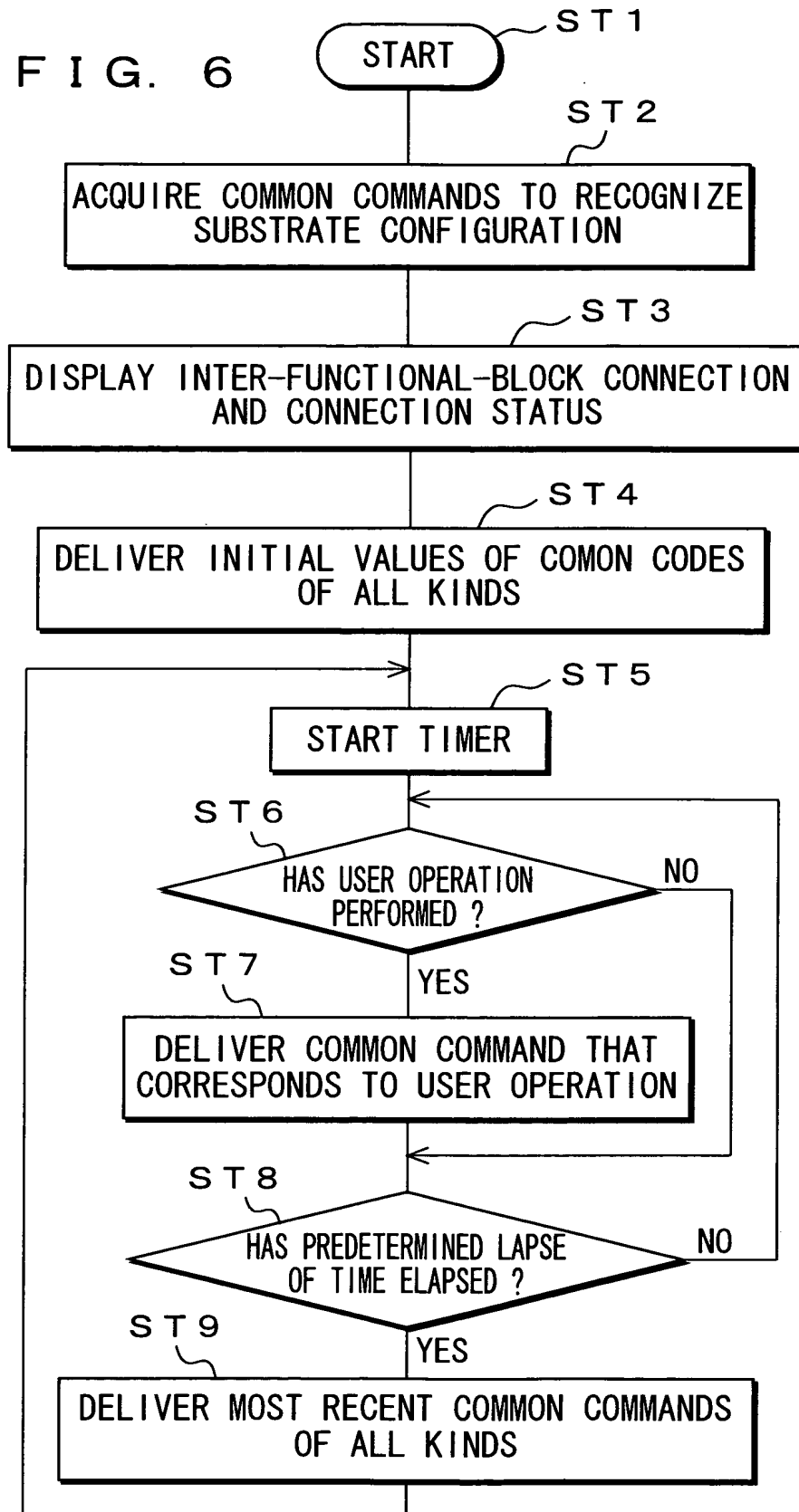


FIG. 7

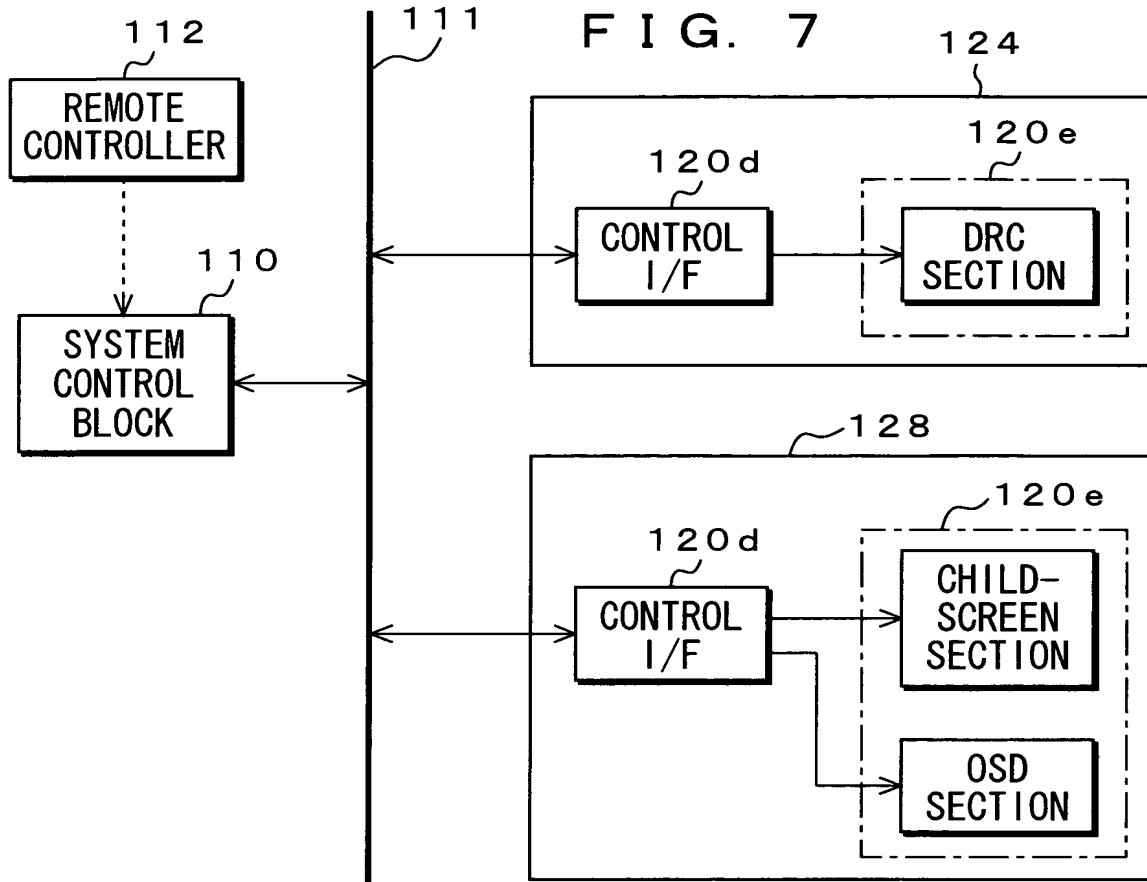


FIG. 8

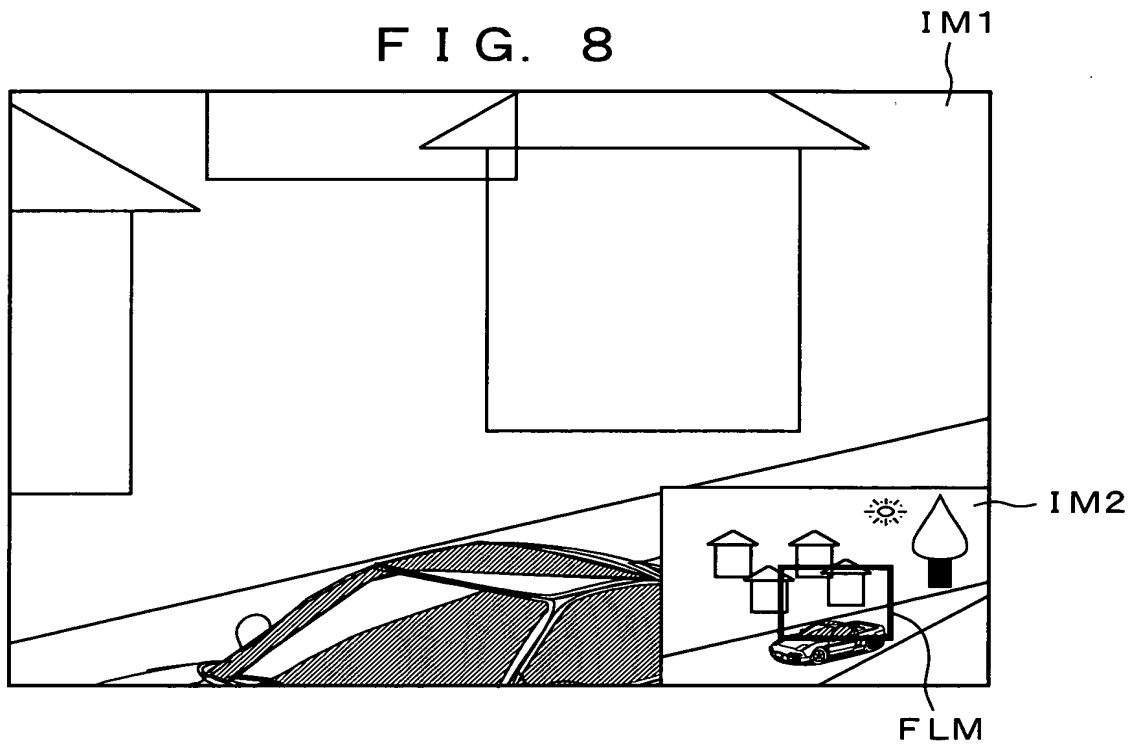


FIG. 9

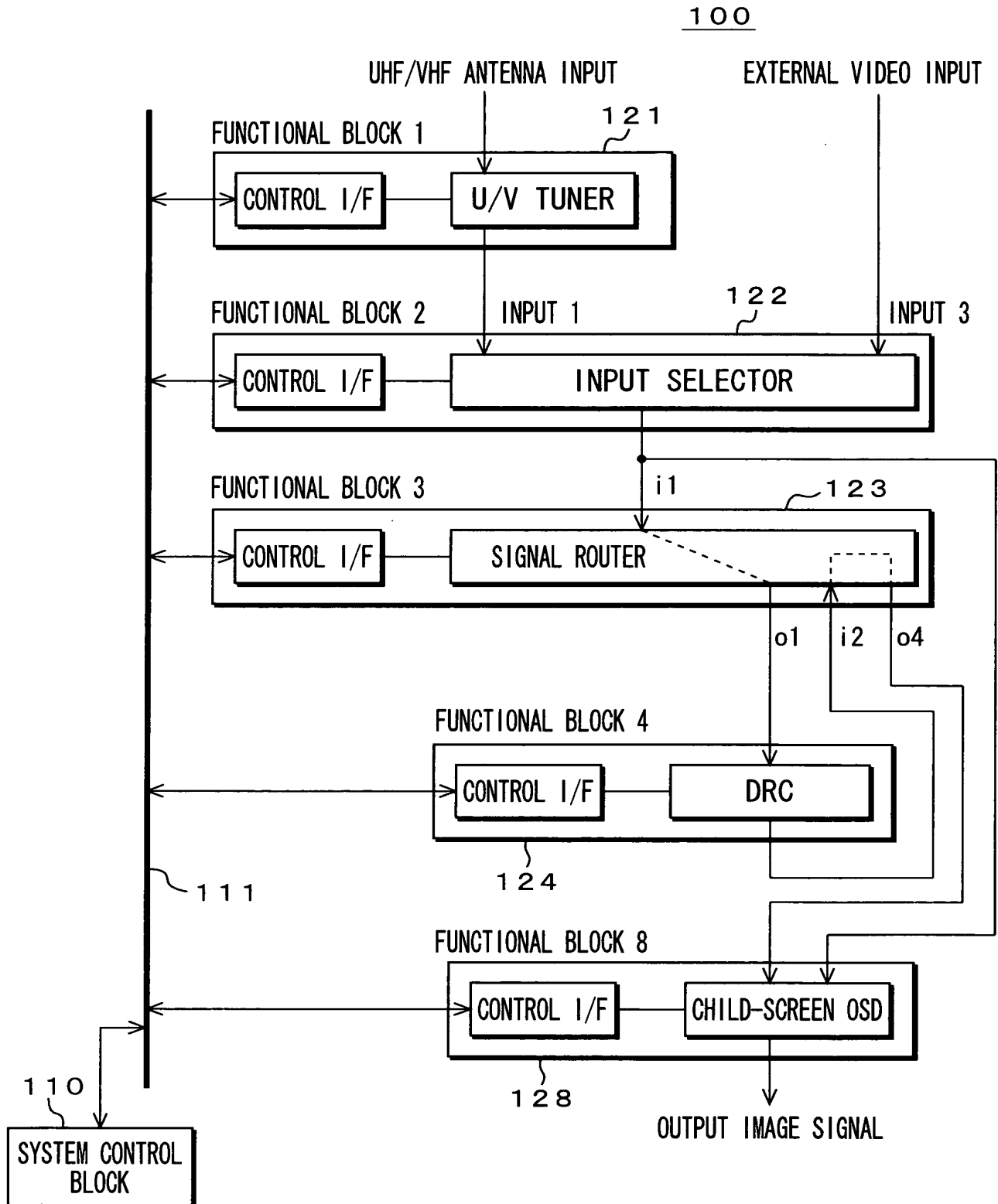


FIG. 10

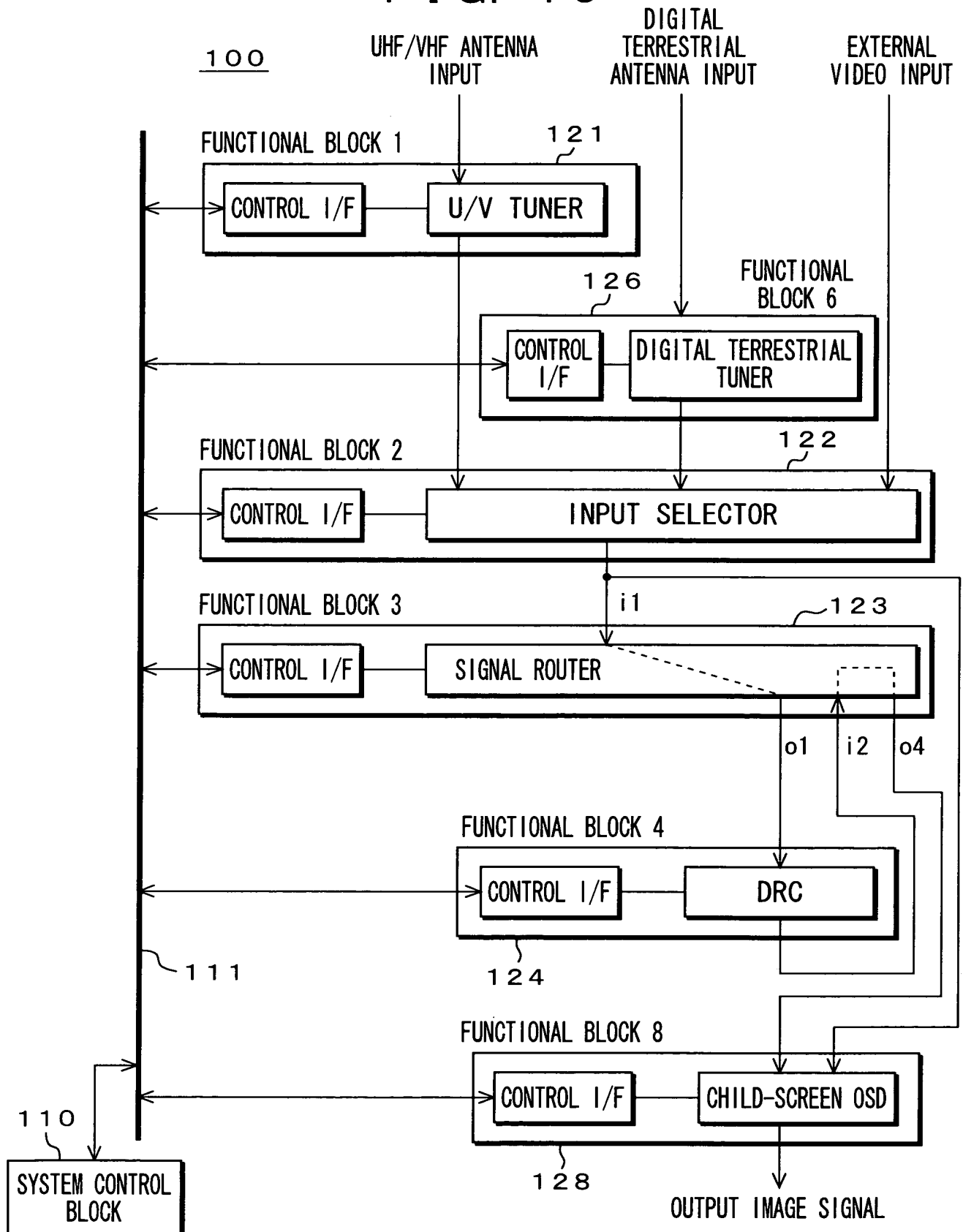


FIG. 11

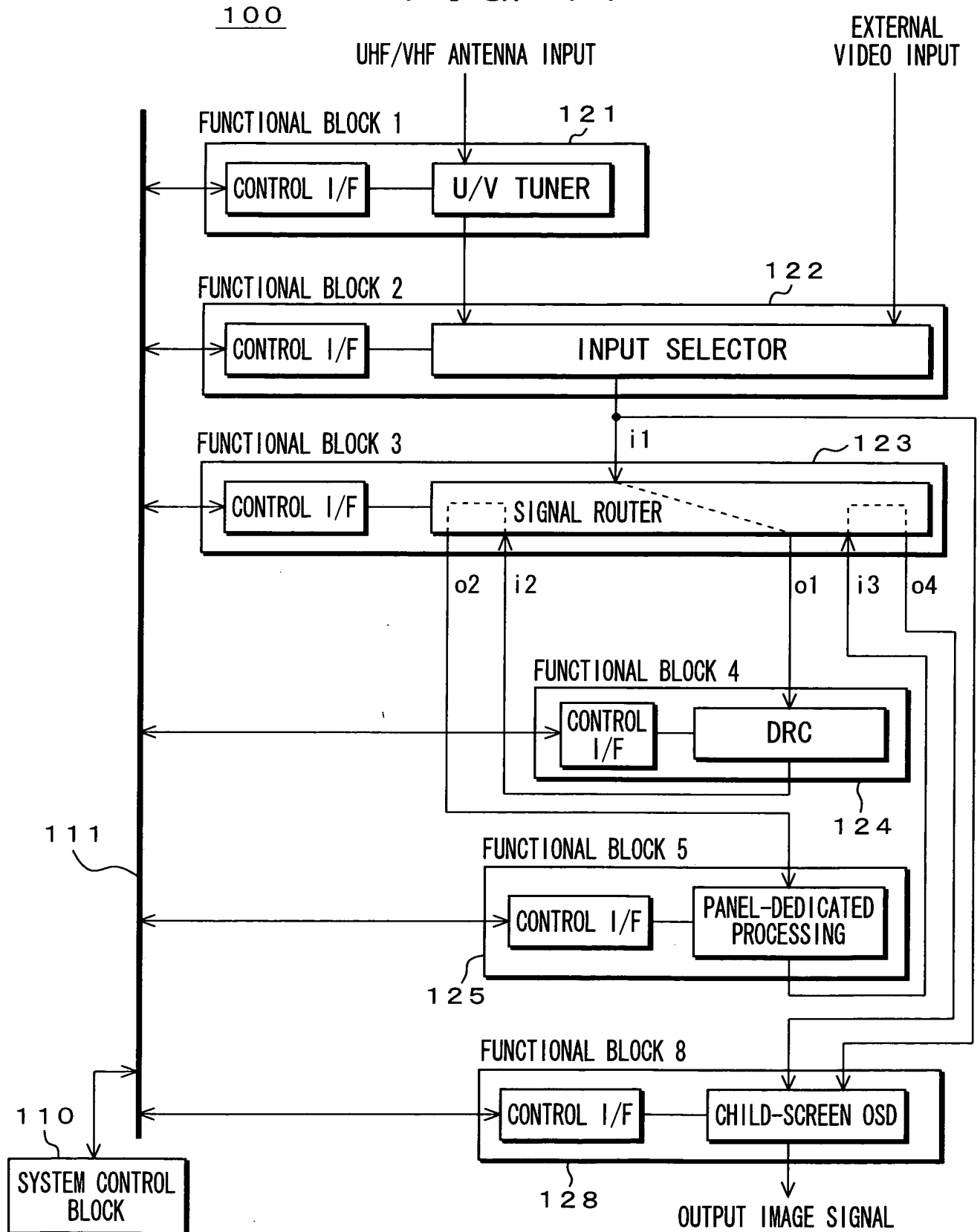




FIG. 12

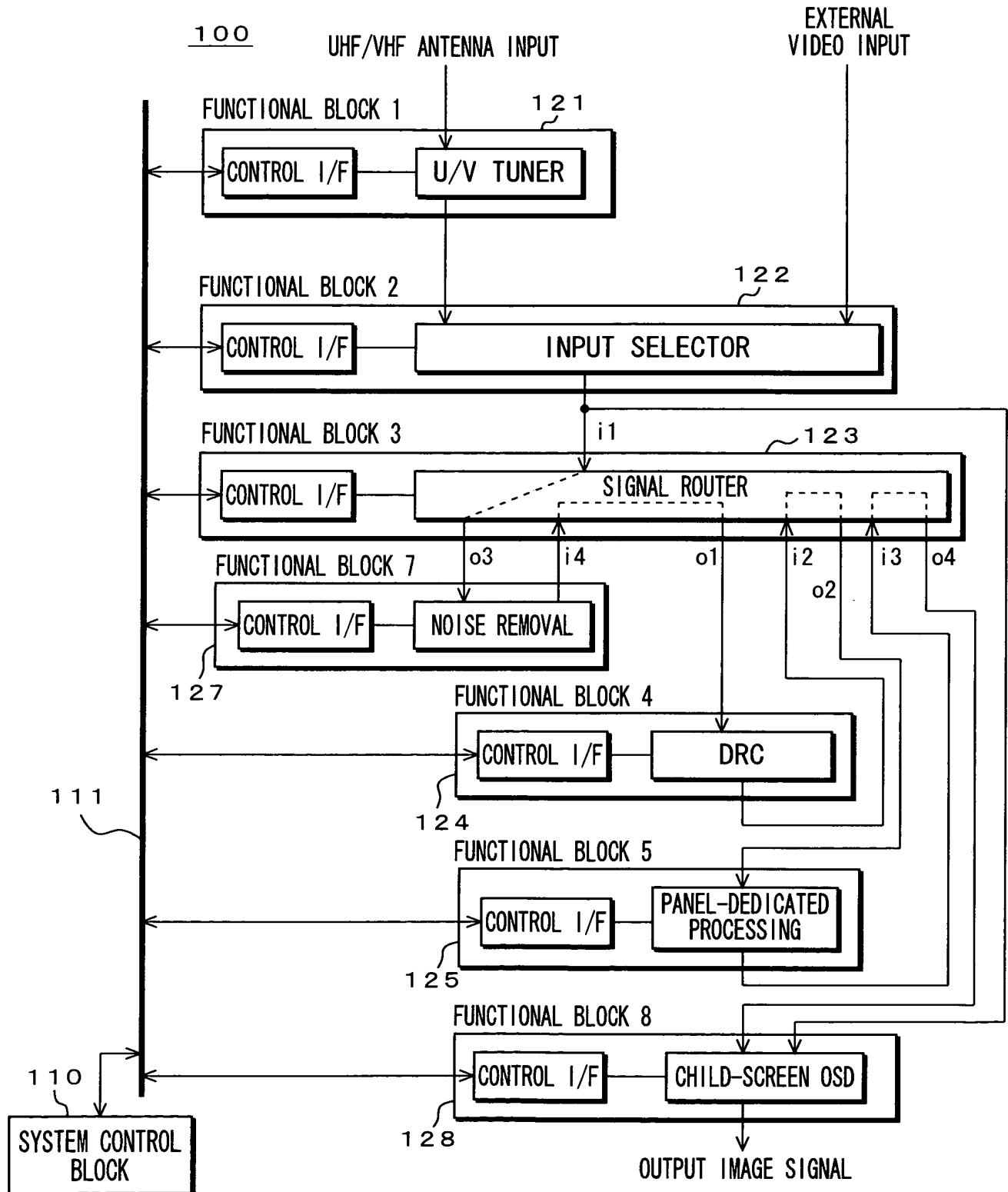


FIG. 13

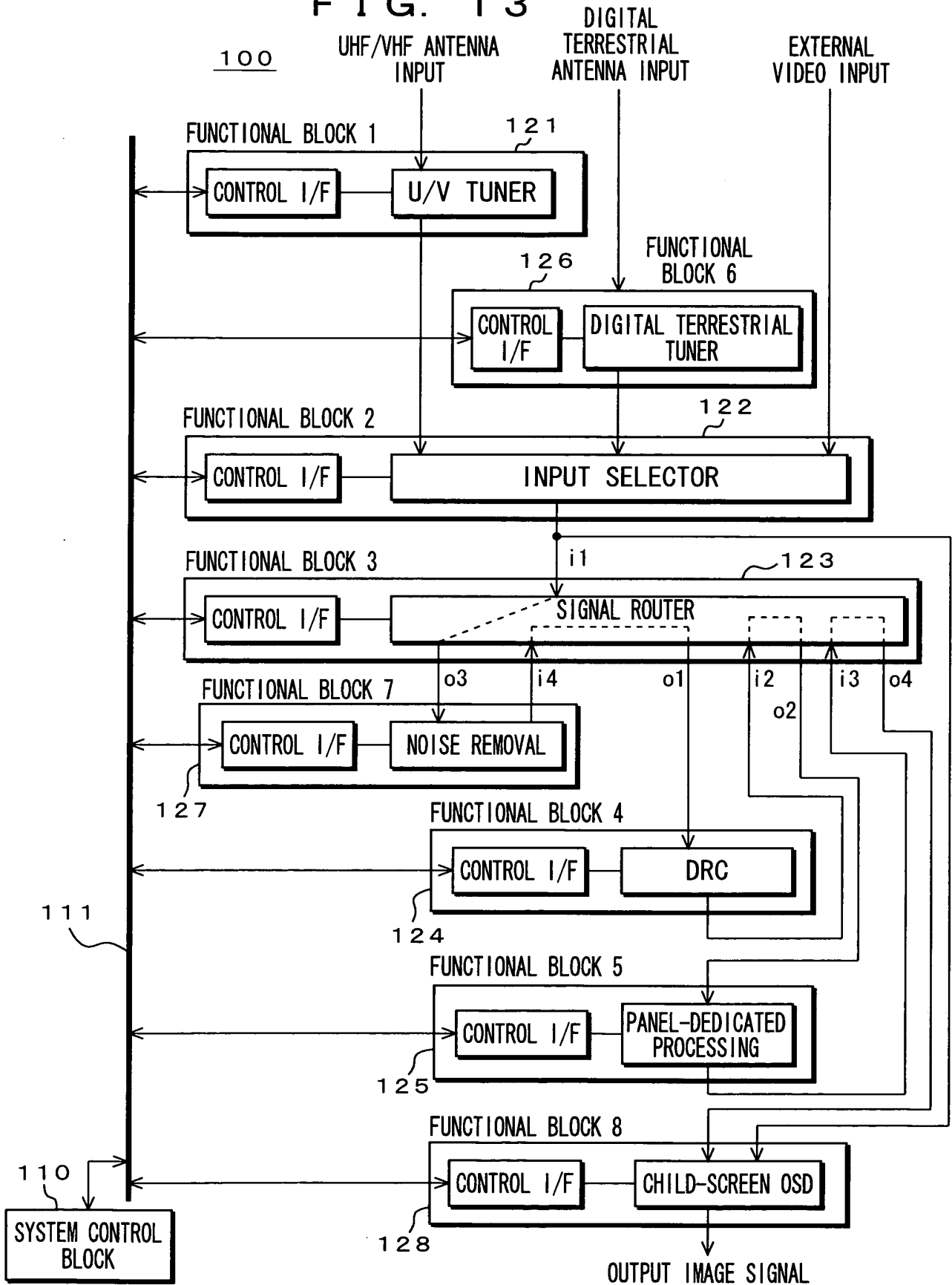


FIG. 14A

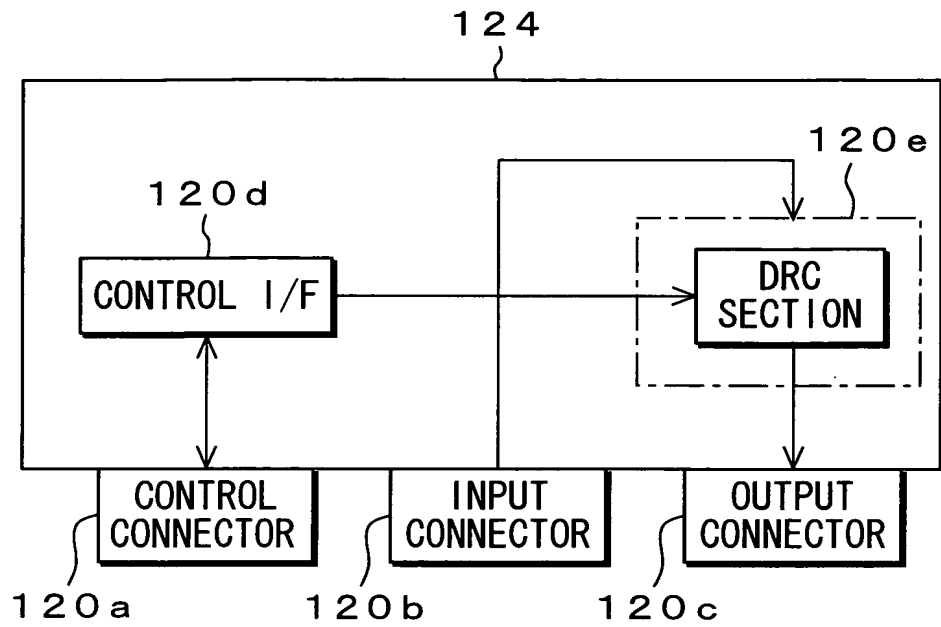


FIG. 14B

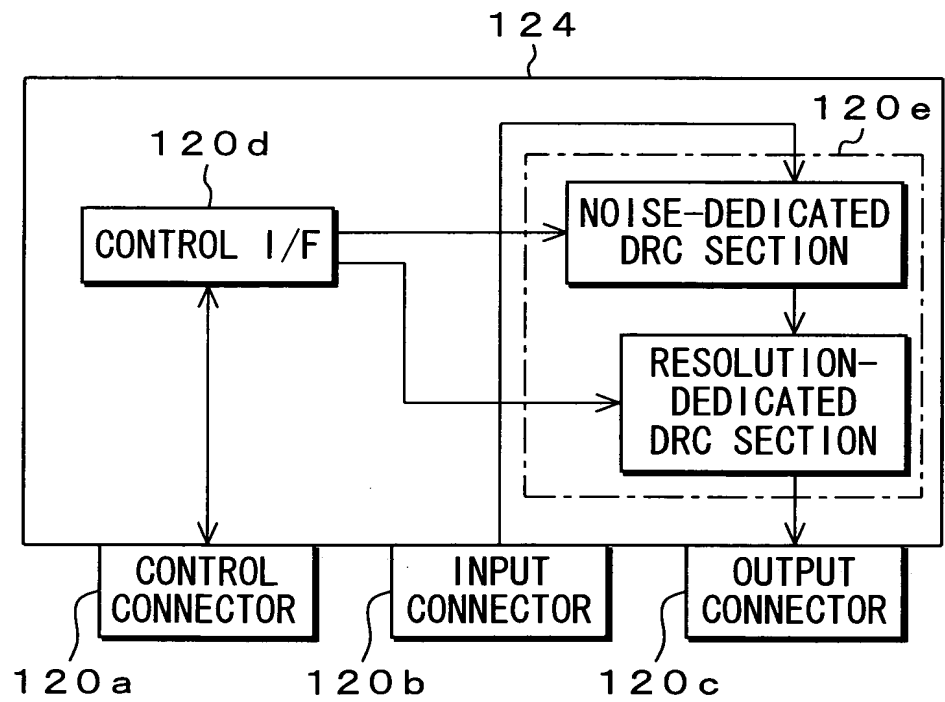


FIG. 15

COMMON COMMANDS	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
DRCvol (resolutionVal, noiseVal)	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC (VERSION UPGRADE)	volumeResolution (resolutionVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS) VOLUME VALUE
				volumeNoise(noiseVal)	SUBSTITUTION OF DRC (NOISE AXIS) VOLUME VALUE
DRCzoomExec (on/off)	SWITCH OF DRC ZOOM PROCESSING	DRCzoomExec(off)	4:DRC (VERSION UPGRADE)	zoom(InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
DRCzoom(ratioVal, horizontalVal, verticalVal)	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, initVer)	4:DRC (VERSION UPGRADE)	zoom(ratioVal, horizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE

FIG. 16

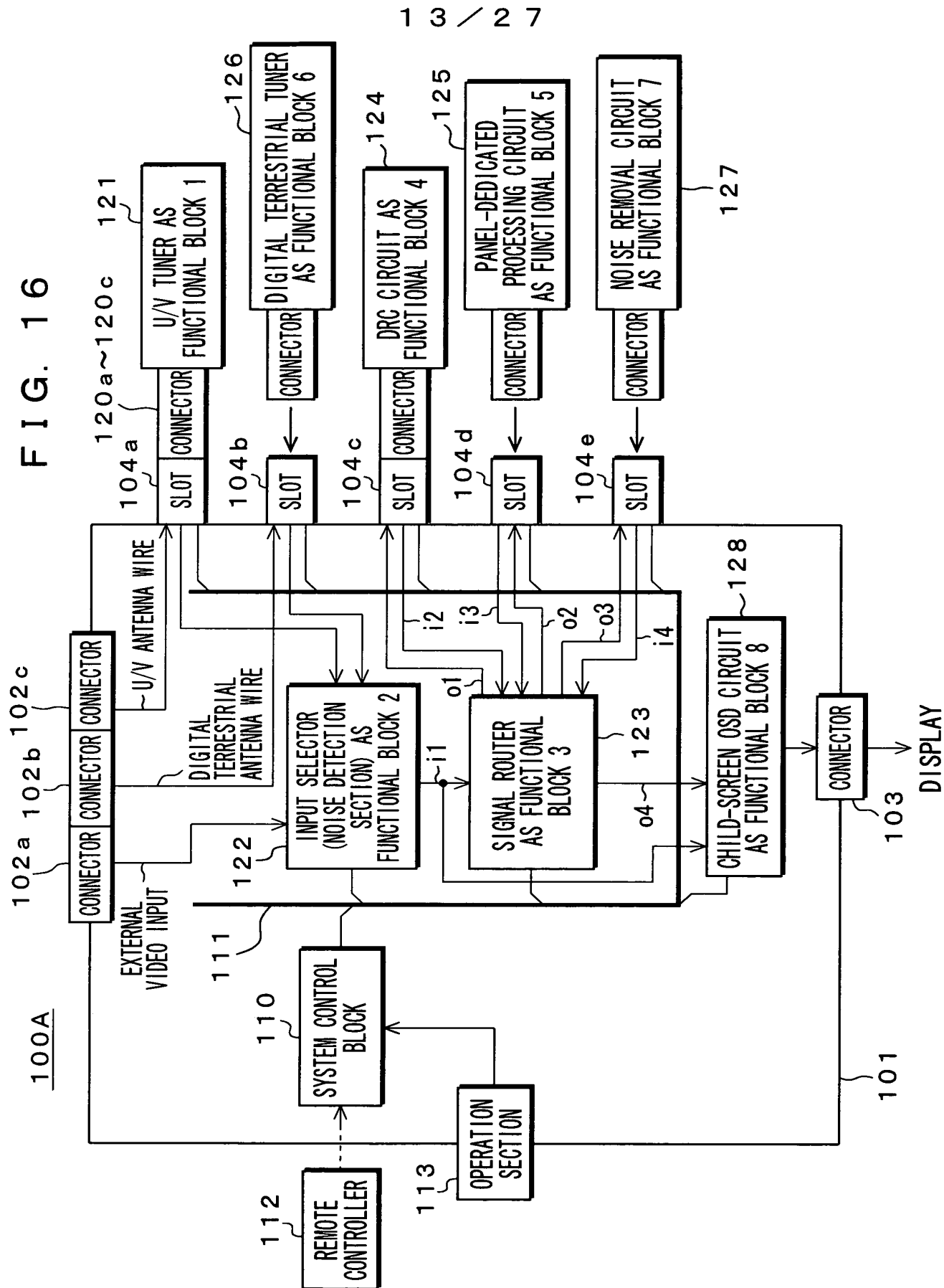


FIG. 17

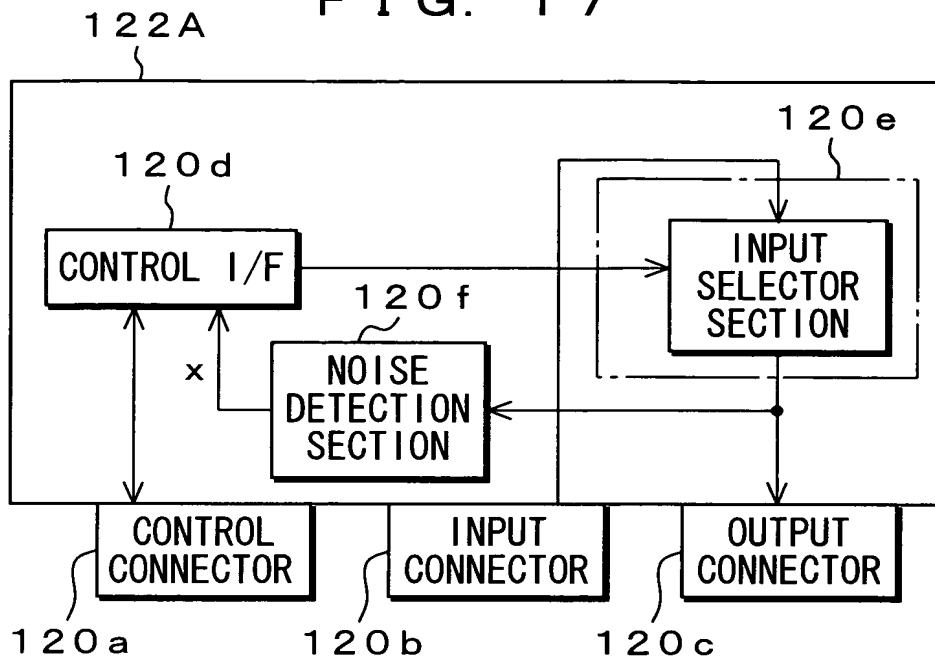


FIG. 18

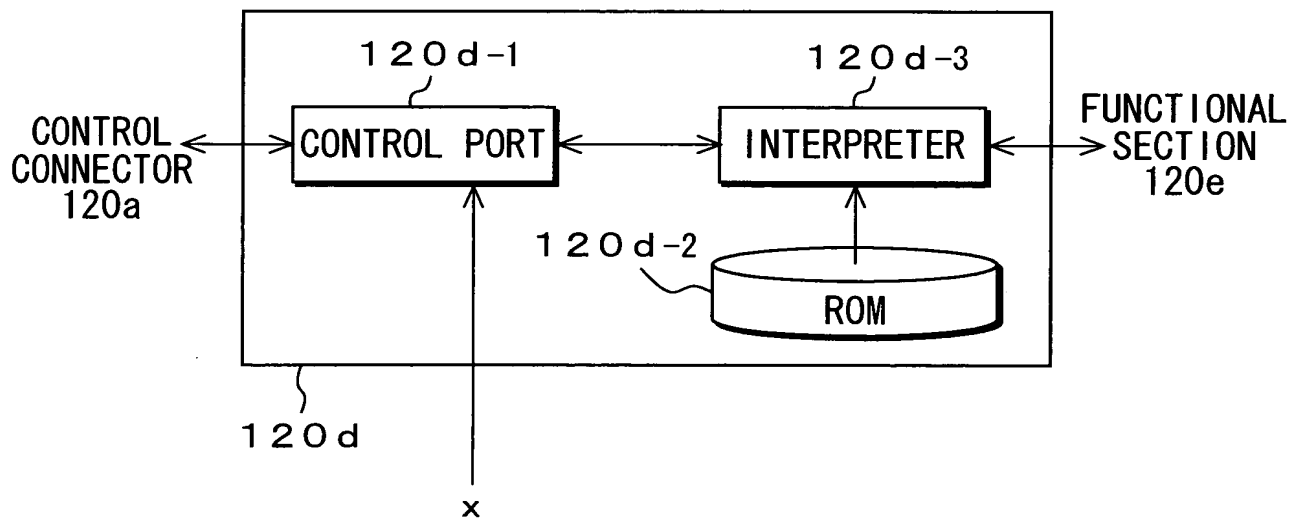


FIG. 19

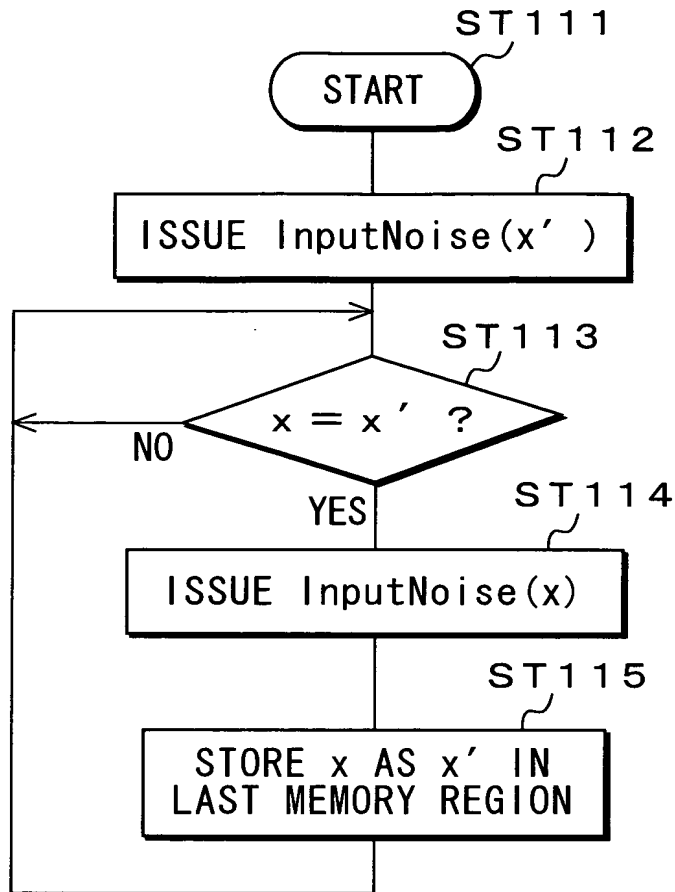


FIG. 20

COMMON COMMAND	MEANING OF COMMON COMMAND	INITIAL VALUE	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
InputNoise (0-9)	INPUT NOISE LEVEL	LAST MEMORY	4:DRC	volumeNoise (noiseVal)	SUBSTITUTION OF DRC (NOISE AXIS) VOLUME VALUE
			7:NOISE REMOVAL	noiseSuppress (0-9)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
			3:SIGNAL ROUTER	route(3/4)	SWITCH OF INTER-PROCESSING-SUBSTRATE CONNECTION
			8:CHILD-SCREEN OSD	writeInputNoise (0-9)	DISPLAY OF INPUT NOISE LEVEL

FIG. 21

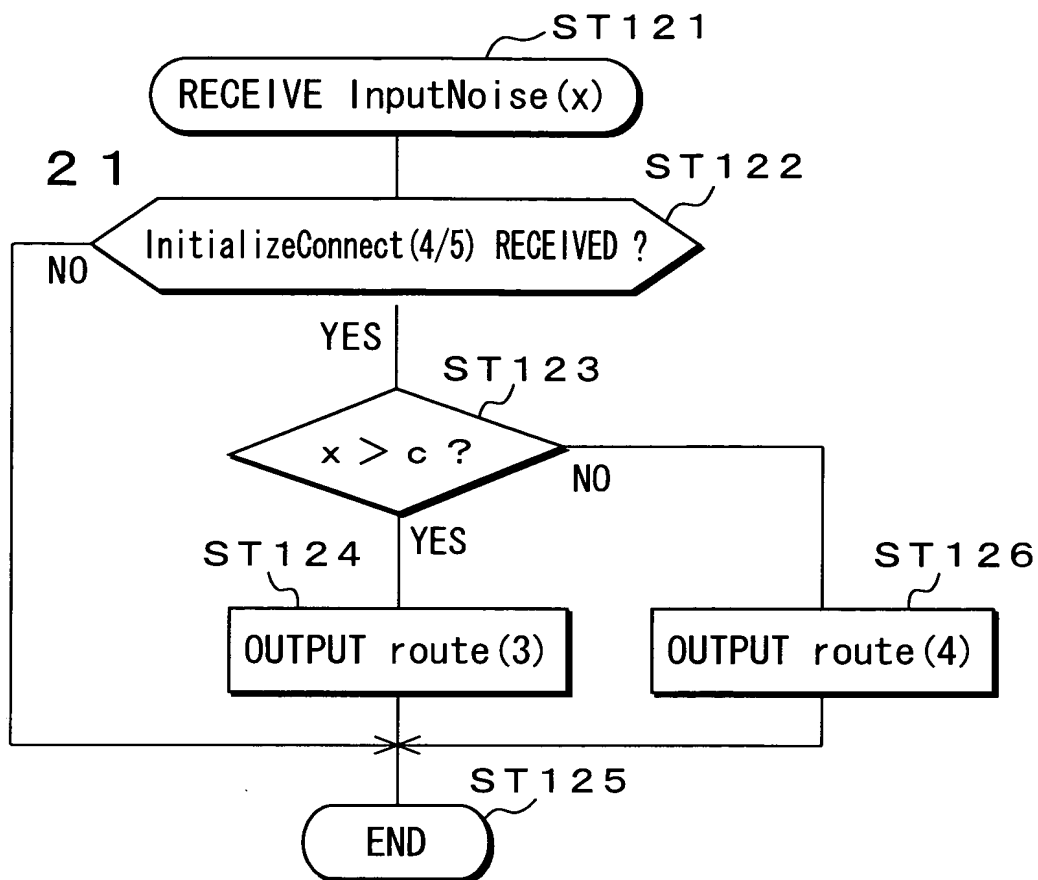


FIG. 22

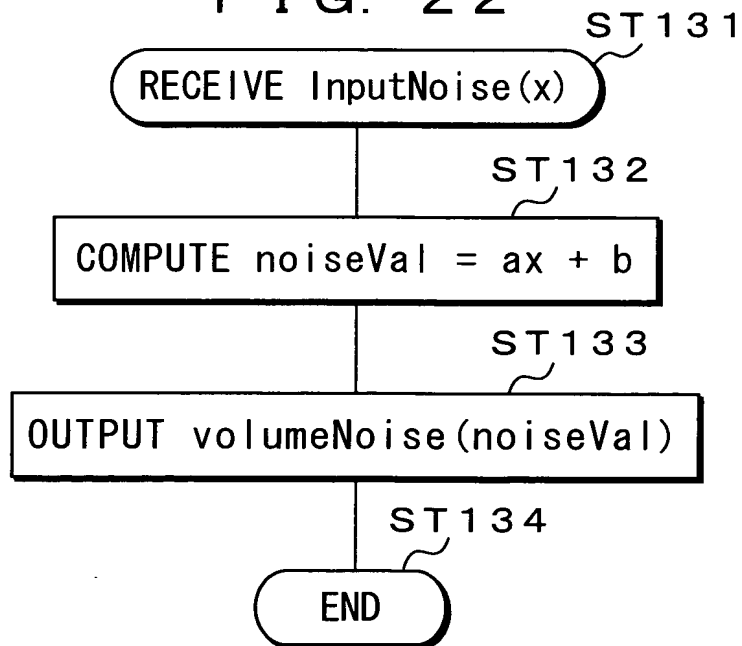




FIG. 23

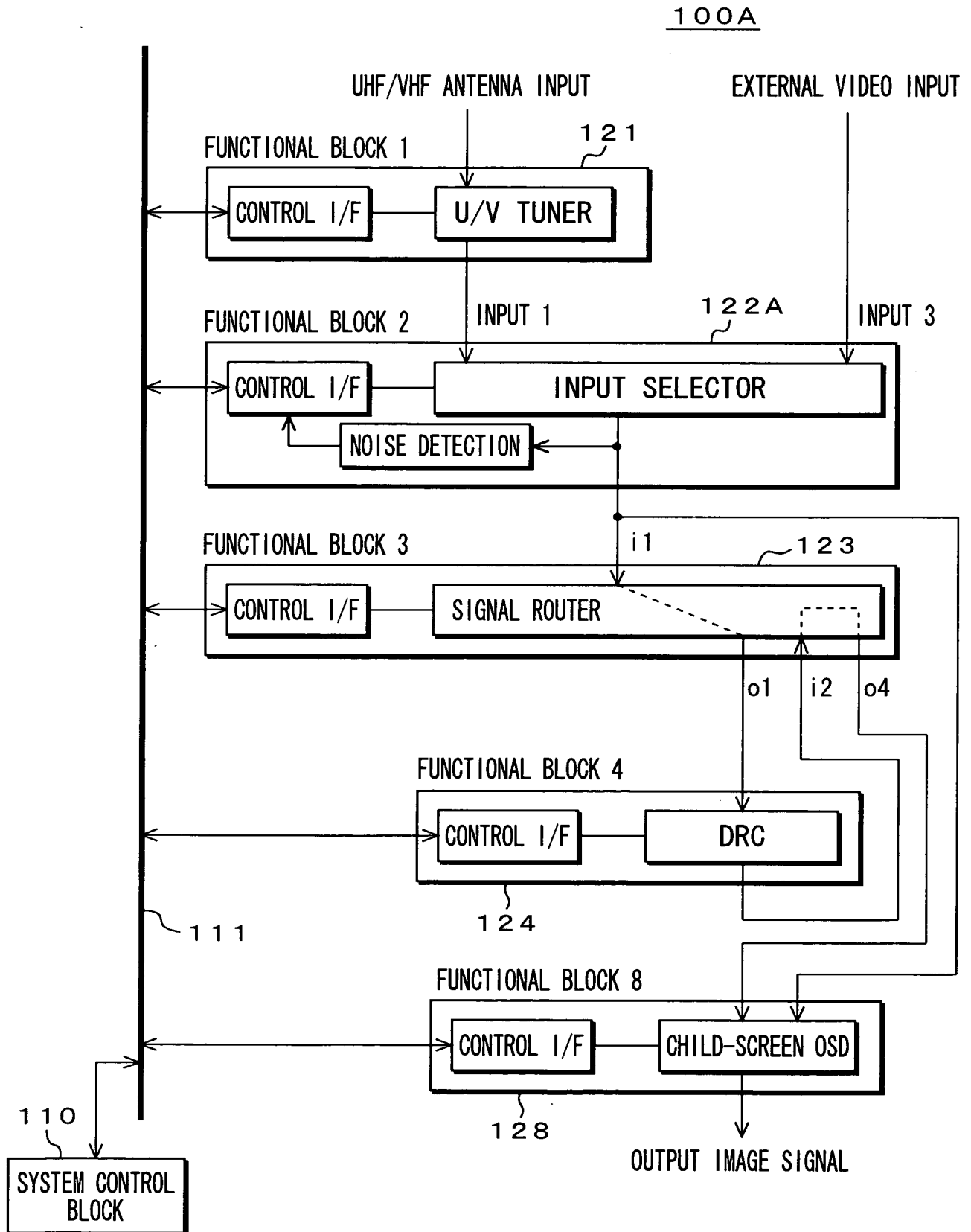
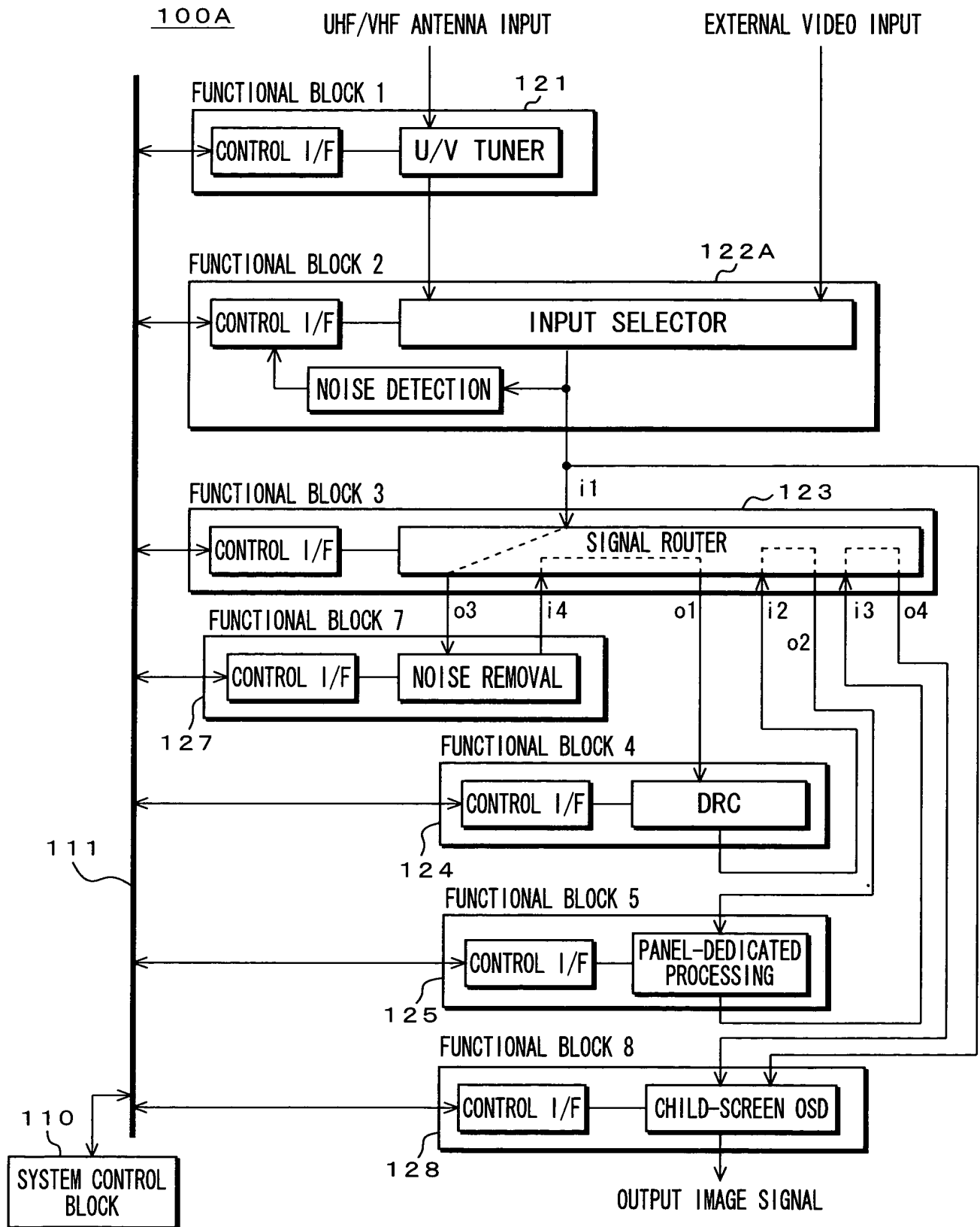


FIG. 24



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FIG. 25

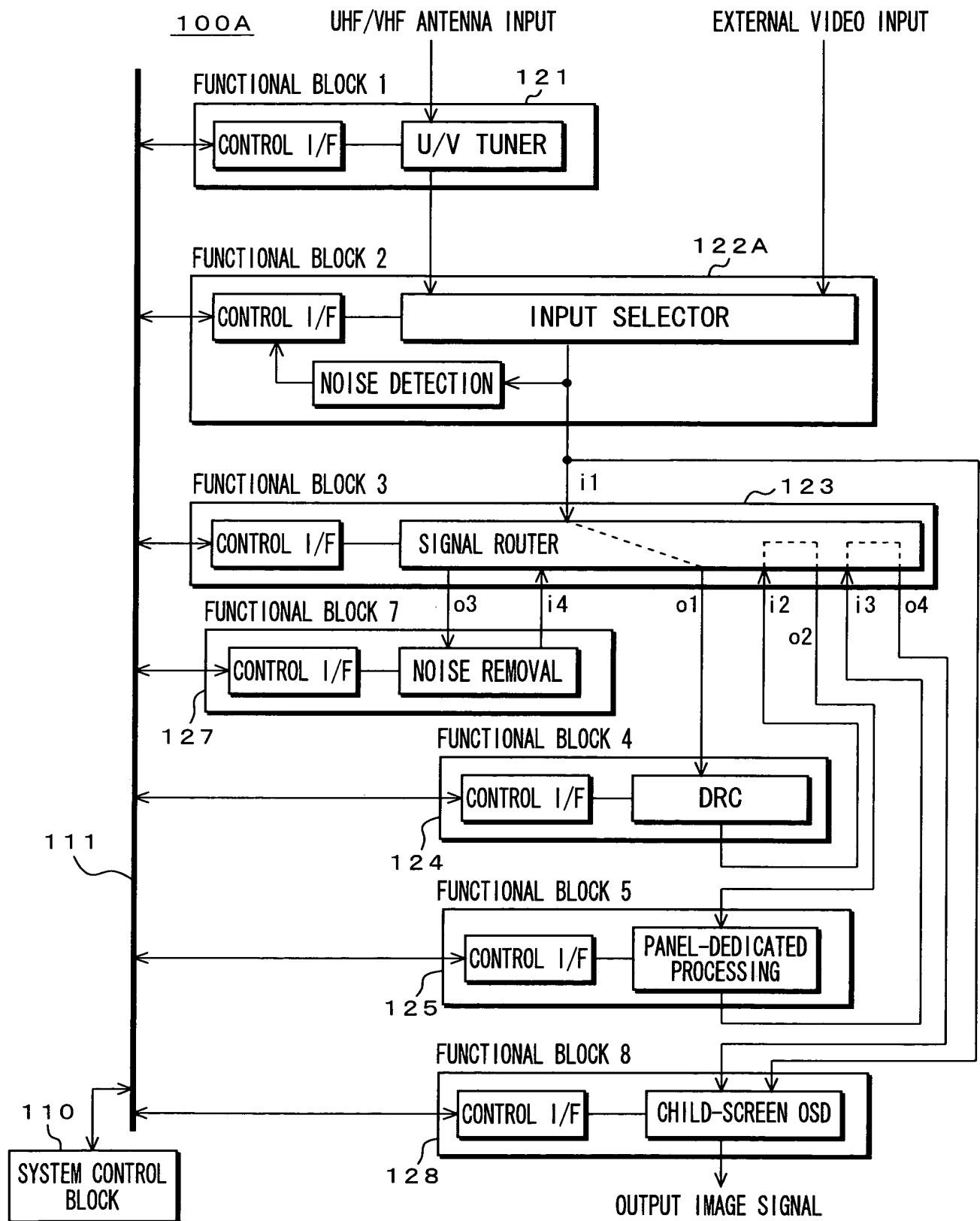


FIG. 26

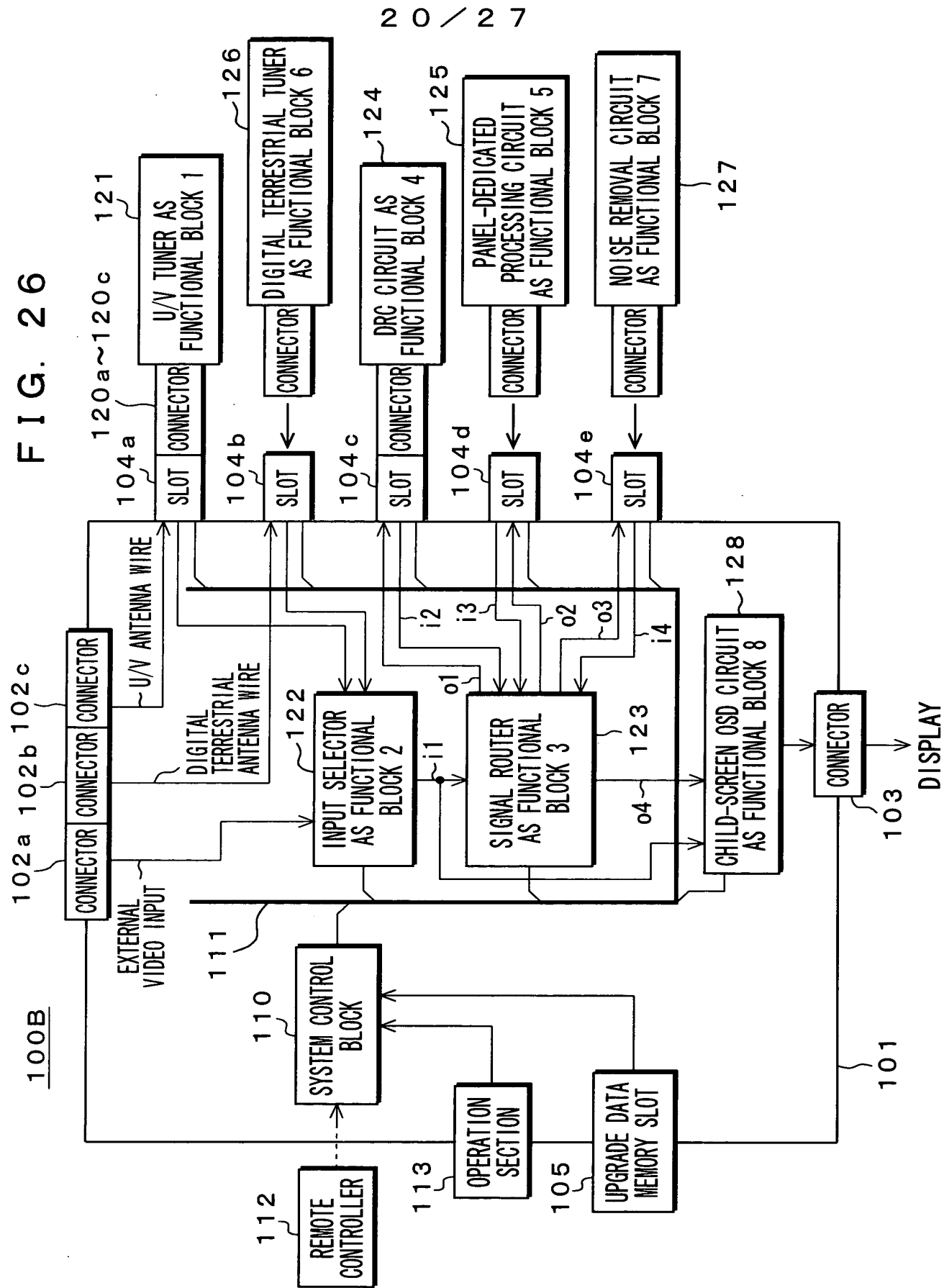


FIG. 27

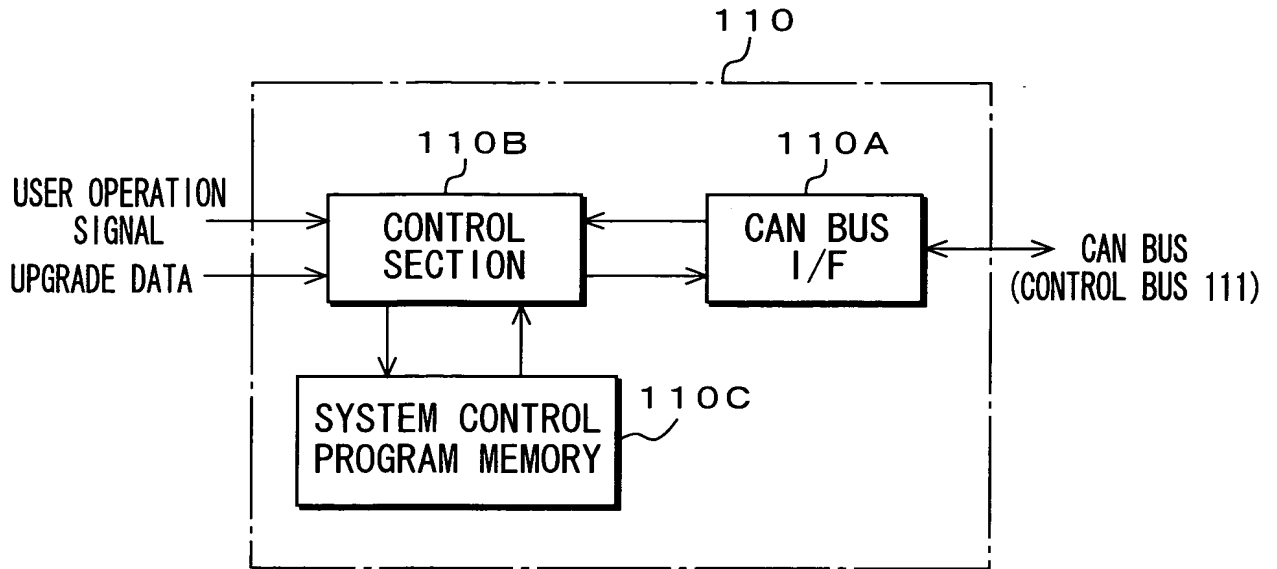


FIG. 28A



FIG. 28B

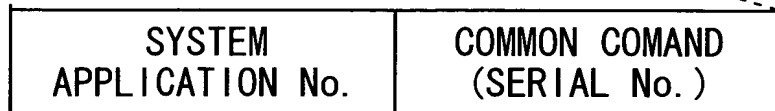


FIG. 29

COMMON COMMANDS	IDENTIFIERS (12 BIT)	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA- FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	0xc01 -0xc0c	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
in(1)-in(3)	0xa01	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	8:CHILD-SCREEN OSD	writeInputUVch(1-12)	DISPLAY OF CHANNEL
DRCvolExec (on/off)	0x501	SWITCH OF DRC VOLUME PROCESSING	DRCvol Exec (on)	2: INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
DRCvol (resolutionVal, noiseVal)	0x502	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	8:CHILD-SCREEN OSD	writeInput(1-3)	DISPLAY OF INPUT
Initialize Connect (1/2/3/4/5)	0x001	INTER-FUNCTIONAL - BLOCK CONNECTIONS 1-5	LAST MEMORY	8:CHILD-SCREEN OSD	writeProcessVol(on/off)	DISPLAY OF DRC VOLUME PROCESSING
					displayInput(in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
					displaySize(in1, size1)/displaySize(in2, size1)	IMAGE SIZE
				4:DRC	volume(resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
				8:CHILD-SCREEN OSD	writeProcessDRCvol(resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
				7:NOISE REMOVAL	noiseSuppress(noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
				3:SIGNAL ROUTER	route(1/2/3)	SWITCH OF INTER-PROCESSING- SUBSTRATE CONNECTION
				8:CHILD-SCREEN OSD	writeRoute(1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

FIG. 30

COMMON COMMANDS	IDENTIFIERS (12 BIT)	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA- FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	0xC01 -0xC0C	CHANNEL Nos. 1-12	LAST MEMORY	1: U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
in(1)-in(3)	0xA01	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	8: CHILD-SCREEN OSD	writeInputUVch(1-12)	DISPLAY OF CHANNEL
DRCvolExec (on/off)	0x501	SWITCH OF DRC VOLUME PROCESSING	DRCvol Exec (on)	2: INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
DRCvol (resolutionVal, noiseVal)	0x502	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	8: CHILD-SCREEN OSD	writeInput(1-3)	DISPLAY OF INPUT
DRCzoomExec (on/off)	0x503	SWITCH OF DRC ZOOM PROCESSING	DRCzoom Exec (off)	8: CHILD-SCREEN OSD	writeProcessVol (on/off)	DISPLAY OF DRC VOLUME PROCESSING
DRCzoom (ratioVal, horizontalVal, verticalVal)	0x504	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, InitVer)	7: NOISE REMOVAL	displayInput (in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
Initialize Connect (1/2/3/4/5)	0x001	INTER-FUNCTIONAL- BLOCK CONNECTIONS 1-5	LAST MEMORY	4: DRC	displaySize(in1, size1)/displaySize(in2, size1)	IMAGE SIZE
				8: CHILD-SCREEN OSD	volume(resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
					writeProcessDRCvol (resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
					noiseSuppress (noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
					zoom(InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
					writeProcessZoom (on/off)	DISPLAY OF DRC ZOOM PROCESSING
					displayInput (in1, in2/in1 or in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
					displaySize(in1, size1), displaySize(in2, size0.25) /displaySize(in1 or in2, size1)	IMAGE SIZE
					writeZoomFrame (InitRatio, InitHol, InitVer/off)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
					writeProcessDRCzoom(InitRatio, InitHol, InitVer /off)	DISPLAY OF INITIAL VALUES OF DRC ZOOM RATIO AND POSITIONS
					zoom(ratioVal, horizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE
					writeZoomFrame (ratioVal, horizontalVal , verticalVal)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
					writeProcessDRCzoom (ratioVal, horizontalVal , verticalVal)	DISPLAY OF DRC ZOOM RATIO AND POSITIONS
				3: SIGNAL ROUTER	route(1/2/3)	SWITCH OF INTER-PROCESSING- SUBSTRATE CONNECTION
				8: CHILD-SCREEN OSD	writeRoute(1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

FIG. 31

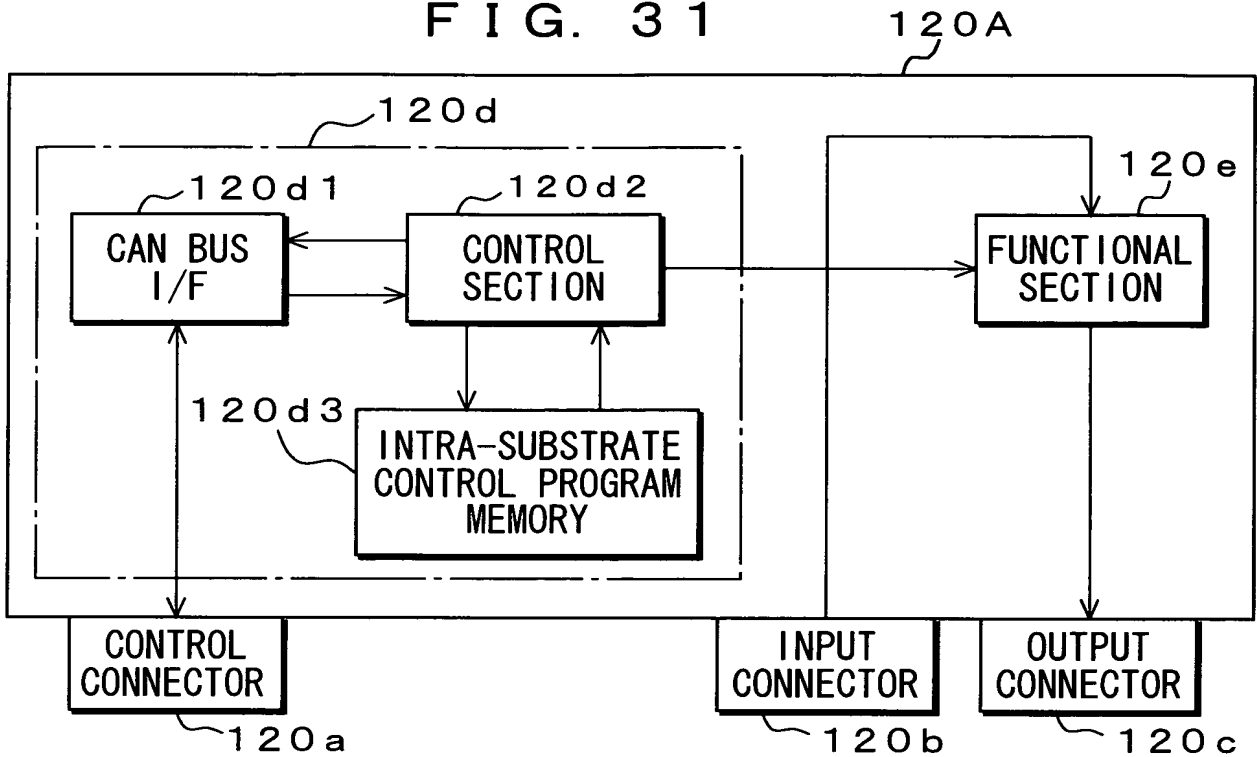


FIG. 32

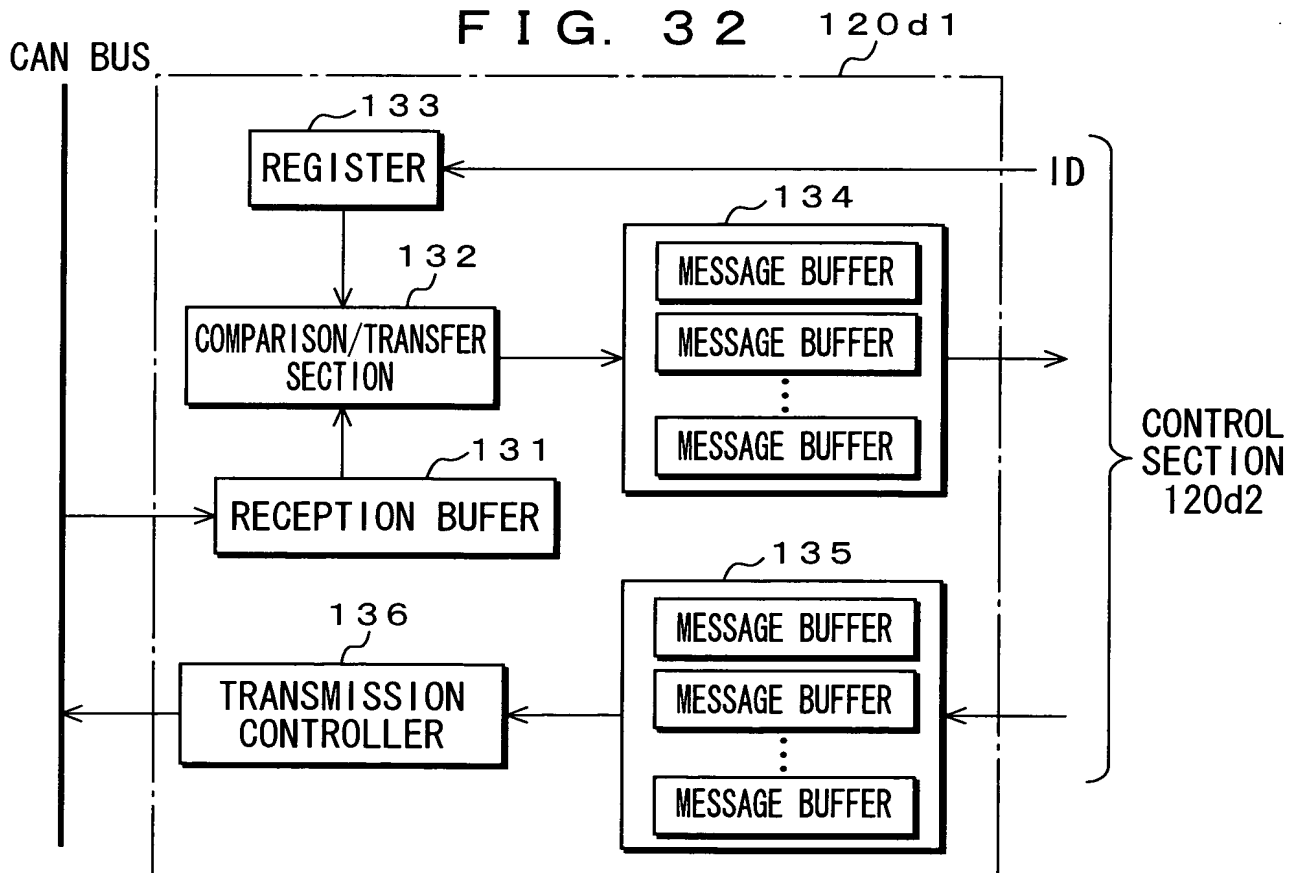




FIG. 33A

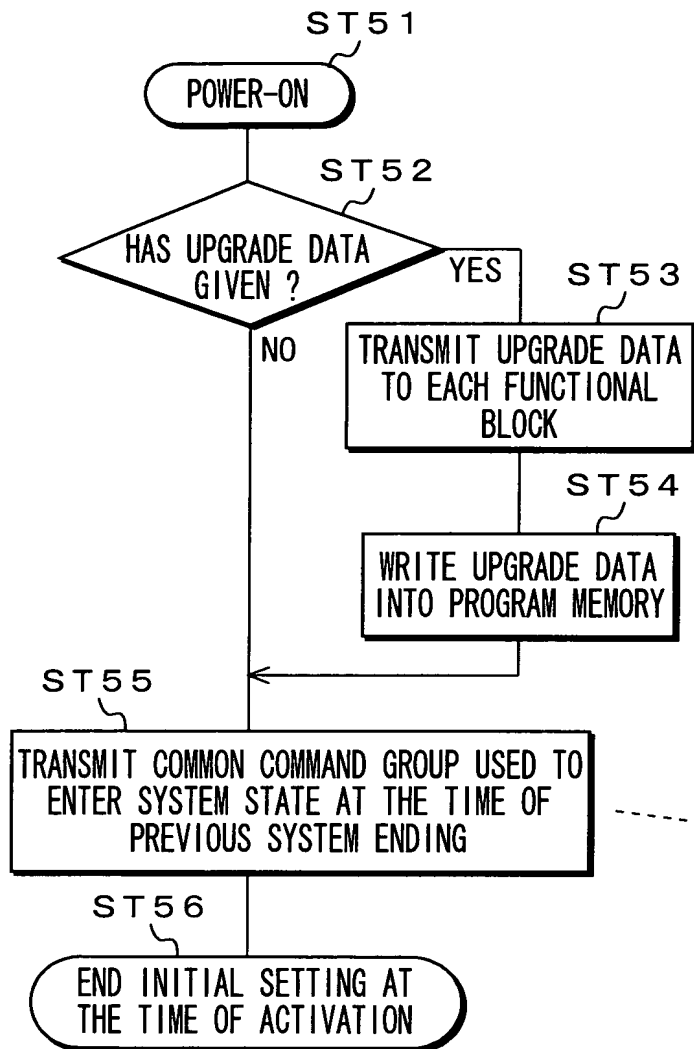


FIG. 33B

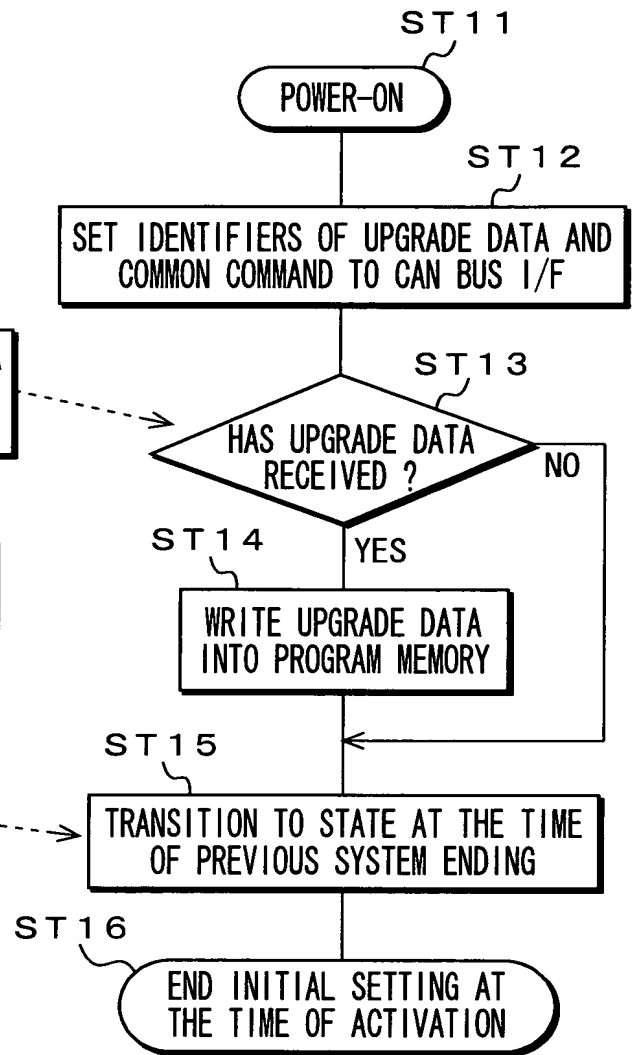


FIG. 34

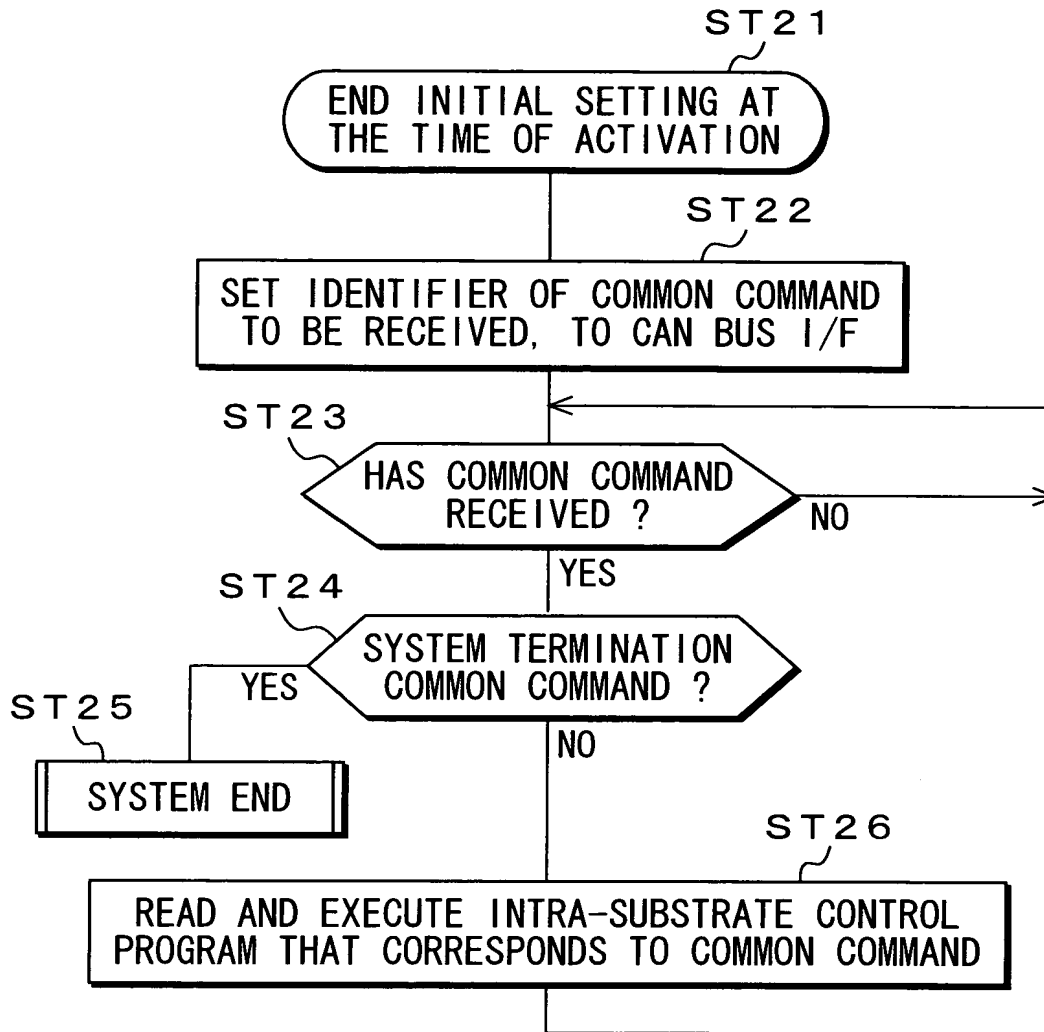


FIG. 35A

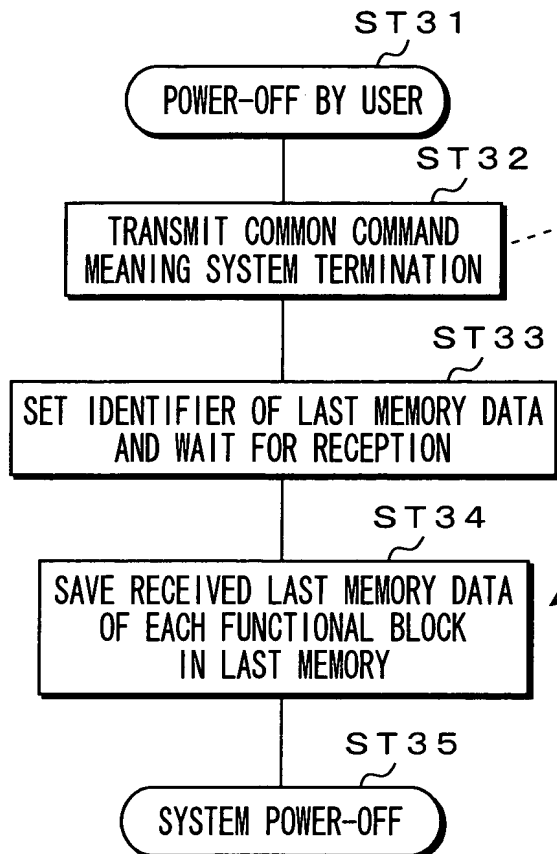


FIG. 35B

